

ABSTRACT

[0031] A circuit protection device suitable for welding to a battery terminal or other substrate without adverse affects caused by weld splatter. The device contains a laminar PTC resistive element, e.g. made from a conductive polymer composition, sandwiched between first and second electrodes. A first electrical lead has a first attachment portion having an attachment surface which is attached to the first electrode, a first connection portion which can be connected to an electrical circuit and is spaced away from the PTC element, and a first barrier portion. The first barrier portion is positioned on the first lead between the first attachment and first connection portions and extends toward the second electrode. During resistance welding, the barrier portion prevents weld splatter from contacting the PTC resistive element.